Thermochimica Acta, 196 (1992) 537–538
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Al-Maydama, H.M.A. 117
Alexander, K. 267
Allan, J.R. 391
Arnaldos, J. 53
Aronne, A. 1

Baláž, P. 349
Barczyńska, J. 345
Bartel, L. 345
Bismondo, A. 131
Blok, J.G. 301
Brezeanu, M. 7
Briančin, J. 349
Bujoreanu, V. 7

Carrasco-Marín, F. 291
Casal, J. 53
Céolin, R. 191
Chang, I.S. 495
Chauhan, G.S. 477
Choi, C.S. 495
Coll, T. 53
Comelli, F. 177
Couture, A. 247
Cumbrera, F.L. 137

Dai, L. 437
Davolio, F. 169
De Ruiz Holgado, M.E. 169
De Schaefer, C.R. 169
Dollimore, D. 255, 267
Ducros, M. 27
Dugué, J. 191

El-Awad, A.M. 279
Evans, T.A. 255

Flanagan, D.R. 379
Francesconi, R. 177

Gabr, R.M. 279
Gardner, P.J. 117
Gheorghies, C. 7
Girgis, B.S. 105
Girgis, M.M. 279
Gjurova, K.M. 533
Golc-Teger, S. 401
Gospodinov, G.G. 533
Grandclaudon, P. 247
Gupchup, G. 267
Gutierrez-Valero, M.D. 291

Haggag, S.S. 221
Harasim, I. 247
Hocmanová, I. 349
Hugus, Z.Z. 93

Ikuta, S. 181
Ivan, L. 247

Jia, Y.Q. 85
Jose, J. 367

Kanev, A.N. 213
Kasehgari, H. 367
Katz, M. 169
Kim, E.H. 495
Klofutar, C. 401
Kosyakov, V.I. 213

Lee, Y.F. 255
Lielmezs, J. 415
López-Garzón, R. 291
Lundeen, M. 93

Mahajan, G.R. 357
Mak, P.C.N. 415
Malakhov, D.V. 213
Marotta, A. 1
Masoud, M.S. 221
Matova, O. 503
Matsubara, T. 63
McAra, I.W. 117
Melguizo-Guijarro, M. 291
Misra, S. 45
Mokbel, I. 367
Mokrzan, J. 345
Muñoz, A. 137

Nair, G.M. 357
Nebuloni, M. 511
N'Guimbi, J. 367
Niu, C.J. 85
Nogueras-Montiel, M. 291
Nowicka, B. 125

Oonk, H.A.J. 301

Paljk, Š. 401
Pancholi, H.B. 317
Park, J.H. 495
Park, J.J. 495
Patel, M.M. 317
Patel, R.G. 327
Patel, V.S. 327
Paton, A.D. 391
Patron, L. 15
Pee, G.P. 255
Pelovski, J. 503
Perales, J.F. 53
Pernice, P. 1
Petrakis, D.E. 447
Pietrzak, A. 125
Plostinaru, S. 15
Pomonis, P.J. 447
Prabhu, D.R. 357

Ray, H.S. 45
Rizzo, L. 131
Rofail, N.H. 105

Sánchez-Rodrigo, A. 291
Sannier, H. 27
Sarangi, A. 45
Sarangi, B. 45
Sawhney, S.S. 477
Sdoukos, A.T. 447
Segal, E. 15, 247, 7
Šepelák, V. 349
Shalaev, E.J. 213
Sharma, R.S. 155
Shimada, S. 237
Shoumkov, S. 503
Shukla, J.P. 155, 357
Skorikov, V.M. 203
Slanina, Z. 181, 459, 467
Soni, H.K. 327
Suleimenova, G.S. 203
Sun, W.M. 85
Szczygieł, I. 339
Szekely, G. 511

Taniewska-Osińska, S. 125, 345
Tawfik, A. 483
Teica, D. 15
Toscani, S. 191
Turvey, K. 391
Tuzikov, F.V. 213

Uhlik, F. 459

Van der Kemp, W.J.M. 301
Van Ekeren, P.J. 301
Van Genderen, A.C.G. 301
Varaksin, N.A. 213
Vavilin, V.I. 213

Wada, Y. 63
Wilburn, F.W. 255
Wyandt, C.M. 379

Xin, X.Q. 437

Zerilli, L.F. 511
Zheng, L.M. 437
Znamierowska, T. 339

Thermochimica Acta, 196 (1992) 539–549
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acrylamide
Preparation, structural characterisation, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with acrylamide (Allan et al.) 391
Activation energy
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349
AE
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
AE–DTA
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
Alcohol
Tensions de vapeur d'alcools primaires dans le domaine 0,3 Pa à 1,5 kPa (N'Guimbi et al.) 367
Alkalihalide
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301
Alkaline earth chloride
Enthalpies of transfer of $MgCl_2$ from water to water–methanol mixtures at 298.15 K (Taniewska-Osińska et al.) 345
Alloy
Measurement of heats of solidification of eutectic alloys using differential thermal analysis (Sarangi et al.) 45
Alumina
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447
Amine
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Aminoacid
Thermal decompositions of some bioinorganic complexes of europium (Jia et al.) 85
Amino acid
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
Ammine
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93
Ammonia
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Ammonium uranyl carbonate
Decomposition–reduction stages of ammonium uranyl carbonates under different atmospheres (Girgis, Rofail) 105
Anion
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Dai et al.) 437
Arrhenius
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255
Arsenic
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191
Arsenic telluride
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191
Aspirin
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Atmosphere
Decomposition–reduction stages of ammonium uranyl carbonates under different atmospheres (Girgis, Rofail) 105
Thermochemical study of gamma bismuth oxide based single crystals (Suleimenova, Skorikov) 203
Thermal decomposition of aqueous solutions

of manganese(II) nitrate (Pelovski et al.) 503

Auxin
Equilibrium analysis of Dy(III). Plant auxin systems (Sawhney, Chauhan) 477

Bismuth oxide
Thermochemical study of gamma bismuth oxide based single crystals (Suleimenova, Skorikov) 203

BMC
The standard enthalpies of formation of some zinc orthophosphate polymorphs (Al-Maydama et al.) 117

Butylamine
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169

Catalyst
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279

Cation
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93

Cavity
Partial molar volumes and partial molar expansibilities of cholesterol in some aprotic solvents (Klofutar et al.) 401

Chelate
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317

Chelated
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131

Chlorobenzene
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Chloro complexes
Preparation, structural characterisation, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with acrylamide (Allan et al.) 391

Cholesterol
Partial molar volumes and partial molar expansibilities of cholesterol in some aprotic solvents (Klofutar et al.) 401

Cinnabar
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349

Coal
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53

Coats–Redfern
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279

Cobalt compound
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Dai et al.) 437

Common anion
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301

Common cation
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301

Compensation
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503

Complex
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357

Composite
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327

Conductivity
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317
Preparation, structural characterisation, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with acrylamide (Allan et al.) 391

Conformer
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459

Coordination compound
On the thermal stability and nonisothermal decomposition kinetics of some lanthanum coordination compounds (Teica et al.) 15
Corn starch
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Cosolvent
Correlation of transfer enthalpies of Ph_4PCl from water to water–organic mixtures with parameters describing organic cosolvent properties (Taniewska-Osińska et al.) 125
Crystallization
Kinetics of high temperature recrystallization of $MnFe_2O_4$ from wet reaction prepared powders (Segal et al.) 7
Crystal water
Pseudo-polymorphism and crystalline transition of magnesium stearate (Wada, Matsubara) 63
Cure
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Curing
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327

Decomposition
On the thermal stability and nonisothermal decomposition kinetics of some lanthanum coordination compounds (Teica et al.) 15
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
Thermal behaviour and nonisothermal decomposition kinetics of 2,5-dihydrothiophene-1,1-dioxide and some of its derivatives (Couture et al.) 247
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Dai et al.) 437
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447
DEHSO
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357
Dehydration
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503
Density
Partial molar volumes and partial molar expansibilities of cholesterol in some aprotic solvents (Klofutar et al.) 401
Desolvation
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Devitrification
The non-isothermal devitrification of lithium heptagermanate glass (Pernice et al.) 1
Dielectric constant
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Dielectric loss
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Differential kinetic analysis
A new master plot using the differential method in kinetic analysis of non-isothermal TG data (Kim et al.) 495
Dihydrothiophene-1,1-dioxide
Thermal behaviour and nonisothermal decomposition kinetics of 2,5-dihydrothiophene-1,1-dioxide and some of its derivatives (Couture et al.) 247
Diketone
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Dimer
Dimerization equilibrium constant for the ClO radical. State-of-the-art wide-temperature-interval thermodynamics of species related to ozone depleting (Slanina) 467
Dimethoxymethane
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Dioxane
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177
DIP–MS
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Disorder
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349
Dodecane
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357
Double phosphate
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339
DSC
Pseudo-polymorphism and crystalline transition of magnesium stearate (Wada, Matsubara) 63
Thermochemical study of gamma bismuth oxide based single crystals (Suleimenova, Skorikov) 203
Thermal behaviour of metal complexes of two 5-nitroso-4-xyloxylamino pyrimidine derivatives with Co(II), Ni(II), Cu(II) and Ag(I) ions (López-Garzón et al.) 291
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
DTA
Measurement of heats of solidification of eutectic alloys using differential thermal analysis (Sarangi et al.) 45
Decomposition–reduction stages of ammonium uranyl carbonates under different atmospheres (Girgis, Rofail) 105
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339
Preparation, structural characterisation, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with acrylamide (Allan et al.) 391
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511
DTG
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53
Thermal decompositions of some bioinorganic complexes of europium (Jia et al.) 85
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255
Dysprosium compound
Equilibrium analysis of Dy(III). Plant auxin systems (Sawhney, Chauhan) 477

EGA
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511
Enthalpy
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169
Thermal behaviour of metal complexes of two 5-nitroso-4-xyloxylamino pyrimidine derivatives with Co(II), Ni(II), Cu(II) and Ag(I) ions (López-Garzón et al.) 291
Enthalpies of transfer of $MgCl_2$ from water to water–methanol mixtures at 298.15 K (Taniewska-Osińska et al.) 345
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415
Enthalpy of formation
Méthode d'estimation des enthalpies de formation et des enthalpies libres de formation des composés inorganiques (Ducros, Sannier) 27
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93

The standard enthalpies of formation of some zinc orthophosphate polymorphs (Al-Maydama et al.) 117

Enthalpy of solution
Correlation of transfer enthalpies of Ph_4PCl from water to water–organic mixtures with parameters describing organic cosolvent properties (Taniewska-Osińska et al.) 125

Entropy
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415

Equilibrium
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93

ESR
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349

Ethanenitrile
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169

Ethyltrifluoroacetoacetate
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155

Europium
Thermal decompositions of some bioinorganic complexes of europium (Jia et al.) 85

Eutectic
Measurement of heats of solidification of eutectic alloys using differential thermal analysis (Sarangi et al.) 45

Excess enthalpy
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Expansion coefficient
Partial molar volumes and partial molar expansibilities of cholesterol in some aprotic solvents (Klofutar et al.) 401

Extraction
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357

Ferrite
Thermoelectric energy conversion of Cu doped ferrite (Tawfik) 483

Final temperature
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255

Flow microcalirimeter
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Fortifier
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327

Free energy
Méthode d'estimation des enthalpies de formation et des enthalpies libres de formation des composés inorganiques (Ducros, Sannier) 27

GC
The effect of anions on the thermal decomposition of the hexaammınecobalt(III) cation (Dai et al.) 437
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511

Gibbs energy
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447

Glass
The non-isothermal devitrification of lithium heptagermanate glass (Pernice et al.) 1
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191

Glass transition
A phenomenological model for the enthalpy relaxation of glasses. Part 2. Effects of a continuous distribution of relaxation times (Muñoz, Cumbrera) 137

Glycine
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213

Heat capacity
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459
Heat of dilution
Enthalpies of transfer of $MgCl_2$ from water to water–methanol mixtures at 298.15 K (Taniewska-Osińska et al.) 345
Heat of solidification
Measurement of heats of solidification of eutectic alloys using differential thermal analysis (Sarangi et al.) 45
Helmholtz energy
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415
Hydrogen bond
$ClHCl^-$(g): A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism (Slanina, Ikuta) 181
Hydroxyacetophenone
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317

Ice
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213
Inorganic
Méthode d'estimation des enthalpies de formation et des enthalpies libres de formation des composés inorganiques (Ducros, Sannier) 27
Ionic bond
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301
Ionic radius
A calorimetric study of some metal ion complexing equilibria (Lundeen, Hugus) 93
IR
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511
Iron(III) mangarate
Kinetics of high temperature recrystallization of $MnFe_2O_4$ from wet reaction prepared powders (Segal et al.) 7
IRS
Thermal behaviour of metal complexes of two 5-nitroso-4-xyloxylamino pyrimidine derivatives with Co(II), Ni(II), Cu(II) and Ag(I) ions (López-Garzón et al.) 291
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Dai et al.) 437
Isomer
$ClHCl^-$(g): A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism (Slanina, Ikuta) 181
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459
IUPAC
Tensions de vapeur d'alcools primaires dans le domaine 0,3 Pa à 1,5 kPa (N'Guimbi et al.) 367

Ketoester
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Kinetics
The non-isothermal devitrification of lithium heptagermanate glass (Pernice et al.) 1
Kinetics of high temperature recrystallization of $MnFe_2O_4$ from wet reaction prepared powders (Segal et al.) 7
On the thermal stability and nonisothermal decomposition kinetics of some lanthanum coordination compounds (Teica et al.) 15
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Excess molar enthalpies for the n-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169
Thermal behaviour and nonisothermal decomposition kinetics of 2,5-dihydrothiophene-1,1-dioxide and some of its derivatives (Couture et al.) 247
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during

the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Effect of fortifier on the cure kinetics and thermal stability of N,N,N',N'-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
A new master plot using the differential method in kinetic analysis of non-isothermal TG data (Kim et al.) 495
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503

Lanthanon
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Lanthanum
On the thermal stability and nonisothermal decomposition kinetics of some lanthanum coordination compounds (Teica et al.) 15
Ligand
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
Lithium heptagermanate
The non-isothermal devitrification of lithium heptagermanate glass (Pernice et al.) 1

Magnesium chloride
Enthalpies of transfer of $MgCl_2$ from water to water–methanol mixtures at 298.15 K (Taniewska-Osińska et al.) 345
Magnesium stearate
Pseudo-polymorphism and crystalline transition of magnesium stearate (Wada, Matsubara) 63
Magnesium stearate
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Manganese dioxide
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503
Manganese nitrate
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503
Mechanical activation
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349
Mechanism
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Dai et al.) 437
Model
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
A phenomenological model for the enthalpy relaxation of glasses. Part 2. Effects of a continuous distribution of relaxation times (Muñoz, Cumbrera) 137
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
$ClHCl^-$(g): A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism (Slanina, Ikuta) 181
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459
Dimerization equilibrium constant for the ClO radical. State-of-the-art wide-temperature-interval thermodynamics of species related to ozone depleting (Slanina) 467
MS
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511

Nickel compound
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Nickel Oxide
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during

the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279

Nitrate
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503

Nitric acid
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357

Nitroso
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221

Non-isothermal
On the thermal stability and nonisothermal decomposition kinetics of some lanthanum coordination compounds (Teica et al.) 15
Thermal behaviour and nonisothermal decomposition kinetics of 2,5-dihydrothiophene-1,1-dioxide and some of its derivatives (Couture et al.) 247
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447
A new master plot using the differential method in kinetic analysis of non-isothermal TG data (Kim et al.) 495

Onset temperature
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255

Ore
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503

Orthophosphate
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339

Oxane
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Oxolane
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177

Oxygen
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459
Dimerization equilibrium constant for the ClO radical. State-of-the-art wide-temperature-interval thermodynamics of species related to ozone depleting (Slanina) 467

Ozone
A computational evaluation of relative stabilities of the open C_{2v} and cyclic D_{3h} forms of ozone (Slanina, Uhlik) 459
Dimerization equilibrium constant for the ClO radical. State-of-the-art wide-temperature-interval thermodynamics of species related to ozone depleting (Slanina) 467

Phase
Thermodynamic investigations of the phase transformations of the tellurites of the d elements from groups I and IIB of the periodic system (Gospodinov, Gjurova) 533

Phase equilibrium
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339

Phase transformation
Thermodynamic investigations of the phase transformations of the tellurites of the d elements from groups I and IIB of the periodic system (Gospodinov, Gjurova) 533

Phosphate
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339

Phosphorus
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447

Plutonium
The effect of temperature on the extraction of plutonium(VI) from nitric acid into dodecane by di(2-ethylhexyl)sulphoxide (Mahajan et al.) 357

Polychelate
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317

Polymorph
The standard enthalpies of formation of some zinc orthophosphate polymorphs (Al-Maydama et al.) 117

Polypeptide
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131
Potentiometry
Equilibrium analysis of Dy(III). Plant auxin systems (Sawhney, Chauhan) 477
Primary alcohol
Tensions de vapeur d'alcools primaires dans le domaine 0,3 Pa à 1,5 kPa (N'Guimbi et al.) 367
Pyrimidine derivative
Thermal behaviour of metal complexes of two 5-nitroso-4-xyloxylamino pyrimidine derivatives with Co(II), Ni(II), Cu(II) and Ag(I) ions (López-Garzón et al.) 291
Pyroelectric coefficient
Thermoelectric energy conversion of Cu doped ferrite (Tawfik) 483
Pyrolysis
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53
Pyrophosphate
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339

Reactivity
Thermal behaviour and nonisothermal decomposition kinetics of 2,5-dihydrothiophene-1,1-dioxide and some of its derivatives (Couture et al.) 247
Recrystallization
Kinetics of high temperature recrystallization of $MnFe_2O_4$ from wet reaction prepared powders (Segal et al.) 7
Redlich–Kister
Excess molar enthalpies for the *n*-butylamine–1,4-dioxane–ethanenitrile system at 298.15 K (De Ruiz Holgado et al.) 169
Calorimetric study of binary mixtures containing chlorobenzene + linear and cyclic ethers (Comelli, Francesconi) 177
Relaxation
A phenomenological model for the enthalpy relaxation of glasses. Part 2. Effects of a continuous distribution of relaxation times (Muñoz, Cumbrera) 137
Resin
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317
RSC
The standard enthalpies of formation of some zinc orthophosphate polymorphs (Al-Maydama et al.) 117

Semi-conductor
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Simulation
A phenomenological model for the enthalpy relaxation of glasses. Part 2. Effects of a continuous distribution of relaxation times (Muñoz, Cumbrera) 137
Sodium perchlorate
Acoustic emission in the process of dehydration and thermal decomposition of $NaClO_4 \cdot H_2O$ (Shimada) 237
Solid state
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Speciation
Ligational behaviour of ethyltrifluoroacetoacetate towards some tervalent lanthanons in aqueous–dioxane mixture (Shukla, Sharma) 155
Specific heat
$ClHCl^-$(g): A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism (Slanina, Ikuta) 181
Thermochemical study of gamma bismuth oxide based single crystals (Suleimenova, Skorikov) 203
Spinel
Kinetics of high temperature recrystallization of $MnFe_2O_4$ from wet reaction prepared powders (Segal et al.) 7
Stability
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Effect of fortifier on the cure kinetics and thermal stability of *N,N,N′,N′*-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Equilibrium analysis of Dy(III). Plant auxin systems (Sawhney, Chauhan) 477
Thermal decomposition of aqueous solutions of manganese(II) nitrate (Pelovski et al.) 503
Starch
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Sublimation
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349

Sucrose
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213
Sulphonamide
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Synthesis
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317

Tawfik
Thermoelectric energy conversion of Cu doped ferrite (Tawfik) 483
Tellurite
Thermodynamic investigations of the phase transformations of the tellurites of the d elements from groups I and IIB of the periodic system (Gospodinov, Gjurova) 533
Tellurium
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191
Tetraphenyl phosphonium chloride
Correlation of transfer enthalpies of Ph_4PCl from water to water–organic mixtures with parameters describing organic cosolvent properties (Taniewska-Osińska et al.) 125
TG
Coal pyrolysis: thermogravimetric study and kinetic modelling (Coll et al.) 53
Pseudo-polymorphism and crystalline transition of magnesium stearate (Wada, Matsubara) 63
Thermal decompositions of some bioinorganic complexes of europium (Jia et al.) 85
Decomposition–reduction stages of ammonium uranyl carbonates under different atmospheres (Girgis, Rofail) 105
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Thermal behaviour of metal complexes of two 5-nitroso-4-xyloxylamino pyrimidine derivatives with Co(II), Ni(II), Cu(II) and Ag(I) ions (López-Garzón et al.) 291
TGA
The significance of the onset and final temperatures in the kinetic analysis of TG curves (Dollimore et al.) 255
The use of thermal analysis and mass spectrometry to study the solid state behavior in pharmaceutical tablet mixtures (Gupchup et al.) 267
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Effect of fortifier on the cure kinetics and thermal stability of N,N,N',N'-tetraglycidyl ether of 4,4′-diaminodiphenyl methane using amines as curing agents (Soni et al.) 327
Solid-state non-isothermal kinetics of sulfonamide–ammonia adduct desolvation (Wyandt, Flanagan) 379
Preparation, structural characterisation, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with acrylamide (Allan et al.) 391
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447
A new master plot using the differential method in kinetic analysis of non-isothermal TG data (Kim et al.) 495
Thermal analysis–mass spectrometry coupling and its applications (Szekely et al.) 511
Thermodynamics
$ClHCl^-$(g): A model for evaluation of thermodynamics of systems with strong-hydrogen-bond isomerism (Slanina, Ikuta) 181
Binary common-ion alkali halide mixtures; a uniform description of the liquid and solid state (Van der Kemp et al.) 301
Thermodynamic properties of unsaturated vapour and liquid states from a cubic equation of state: saturated and subcritical regions (Lielmezs, Mak) 415
Dimerization equilibrium constant for the ClO radical. State-of-the-art wide-temperature-interval thermodynamics of species related to ozone depleting (Slanina) 467
Equilibrium analysis of Dy(III). Plant auxin systems (Sawhney, Chauhan) 477
Thermodynamic investigations of the phase transformations of the tellurites of the d elements from groups I and IIB of the periodic system (Gospodinov, Gjurova) 533
Thiobarbiturate
Thermal properties of some transition metal nitroso and thiobarbiturate complexes: conductivity, magnetism and thermogravimetry (Masoud, Haggag) 221
Thiourea
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxy-

acetophenone–thiourea–trioxane resin (Pancholi, Patel) 317
Transfer
Enthalpies of transfer of $MgCl_2$ from water to water–methanol mixtures at 298.15 K (Taniewska-Osińska et al.) 345
Transfer enthalpy
Correlation of transfer enthalpies of Ph_4PCl from water to water–organic mixtures with parameters describing organic cosolvent properties (Taniewska-Osińska et al.) 125
Transformation
Thermodynamic investigations of the phase transformations of the tellurites of the d elements from groups I and IIB of the periodic system (Gospodinov, Gjurova) 533
Transition metal compound
Effect of the first row transition metal cations on the mode of decomposition of ammonium nitrate supported on alumina–aluminum phosphate and the final products obtained (Petrakis et al.) 447
Trioxane
Synthesis, characterization and thermal studies of polychelates derived from 2-hydroxyacetophenone–thiourea–trioxane resin (Pancholi, Patel) 317
Triple point
A new insight into phase separation in the As–Te glasses from the (p, T) phase diagram of As_2Te_3 (Toscani et al.) 191

Uranyl
Thermodynamics of the complex formation between uranyl(VI) and some polypeptides in aqueous solution (Bismondo, Rizzo) 131

Vanadate
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Vapour pressure
Tensions de vapeur d'alcools primaires dans le domaine 0,3 Pa à 1,5 kPa (N'Guimbi et al.) 367

Water
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213

XRD
Study of the phase diagram water fraction of the system water–glycine–sucrose by DTA and X-ray diffraction methods (Shalaev et al.) 213
Role of metal vanadate additives on the decomposition reaction kinetics of nickel tetrahydroxy carbonate as a precursor during the thermal genesis of nickel(II) oxide catalyst (Gabr et al.) 279
Phase equilibria in the system $CePO_4$–Na_3PO_4–$Na_4P_2O_7$ (Szczygieł, Znamierowska) 339
Dissociative sublimation of mechanically activated cinnabar (Baláž et al.) 349
The effect of anions on the thermal decomposition of the hexaamminecobalt(III) cation (Liming et al.) 437

Zinc orthophosphate
The standard enthalpies of formation of some zinc orthophosphate polymorphs (Al-Maydama et al.) 117